

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022606.D  
 Acq On : 06 Oct 2021 06:39  
 Operator : SY/MD  
 Sample : M4052-08  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AX8

Manual Integrations  
 APPROVED

MMDadoda  
 10/7/2021 9:33:50 AM

Quant Time: Oct 06 08:10:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 07:50:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 99193    | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117            | 99356    | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152            | 45894    | 5.000  | ug/L      | 0.00     |
|                               |        |                |          |        |           |          |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 38093    | 11.986 | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 239.800%# |          |
| 7) Chloroethane-d5            | 1.564  | 69             | 32763    | 7.648  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 153.000%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63             | 57431    | 6.228  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 124.600%  |          |
| 20) 2-Butanone-d5             | 3.886  | 46             | 87415    | 46.531 | ug/L      | -0.03    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 93.060%   |          |
| 24) Chloroform-d              | 4.349  | 84             | 67651    | 5.528  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 110.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65             | 35340    | 6.130  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 122.600%  |          |
| 32) Benzene-d6                | 5.053  | 84             | 137012   | 6.120  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 122.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 42501    | 5.380  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 107.600%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 119670   | 6.376  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 127.600%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 11349    | 5.429  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 108.600%  |          |
| 46) 2-Hexanone-d5             | 8.091  | 63             | 61445    | 47.471 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 94.940%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 29913    | 4.984  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 99.600%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 46447    | 6.543  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 130.800%# |          |
|                               |        |                |          |        |           |          |
| Target Compounds              |        |                |          |        |           |          |
| 12) 1,1-Dichloroethene        | 2.117  | 96             | 3115     | 0.513  | ug/L #    | 1        |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96             | 600      | 0.091  | ug/L #    | 70       |
| 19) 1,1-Dichloroethane        | 3.195  | 63             | 1732m    | 0.146  | ug/L      |          |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96             | 14517    | 2.020  | ug/L      | 94       |
| 25) Chloroform                | 4.381  | 83             | 7634     | 0.588  | ug/L      | 98       |
| 31) Carbon tetrachloride      | 4.831  | 117            | 2706     | 0.269  | ug/L      | 99       |
| 34) Trichloroethene           | 5.915  | 95             | 114449   | 14.708 | ug/L      | 99       |
| 47) Tetrachloroethene         | 7.982  | 164            | 5444     | 0.900  | ug/L      | 91       |
| -----                         |        |                |          |        |           |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

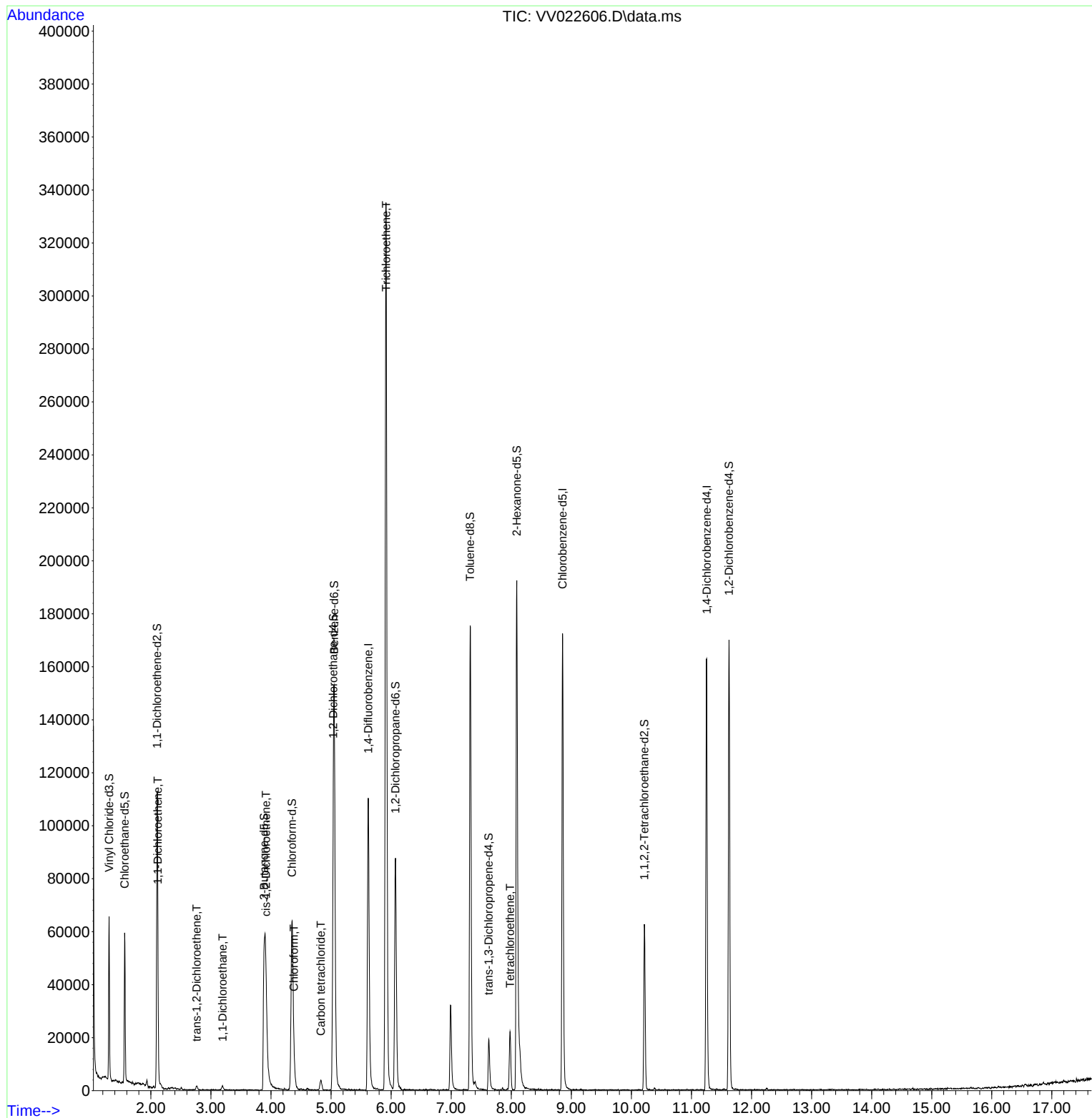
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Data File : VV022606.D  
Acq On : 06 Oct 2021 06:39  
Operator : SY/MD  
Sample : M4052-08  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 50 Sample Multiplier: 1

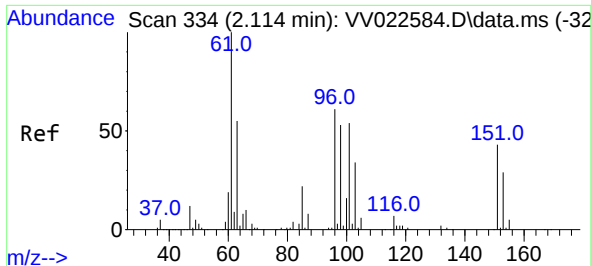
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AX8

Manual Integrations  
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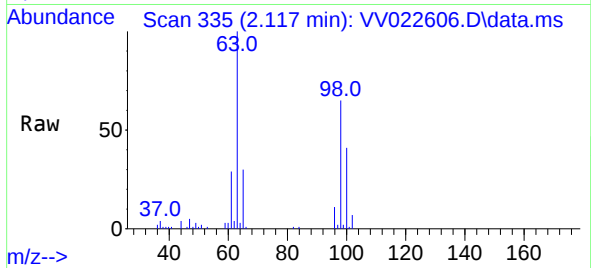
MMDadoda  
10/7/2021 9:33:50 AM

Quant Time: Oct 06 08:10:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 06 07:50:25 2021  
Response via : Initial Calibration

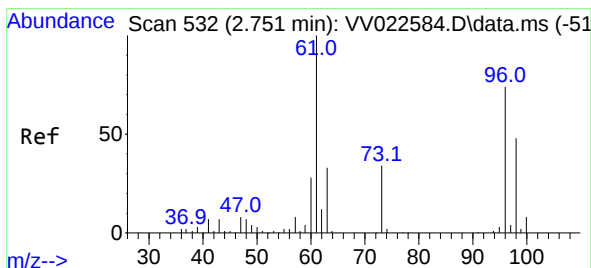
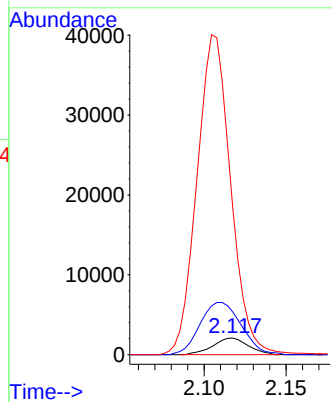
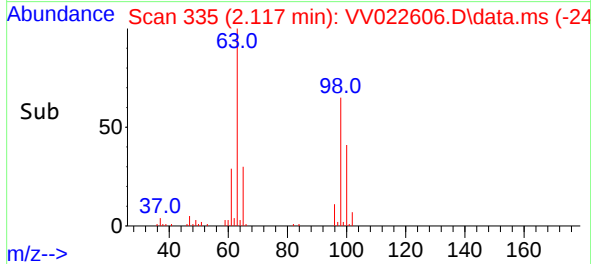




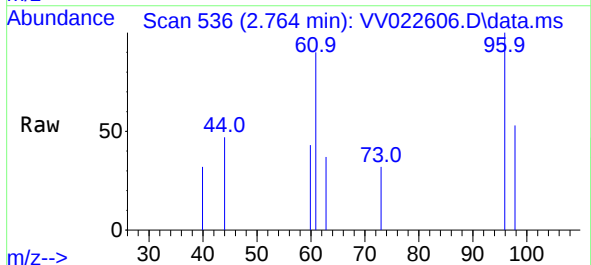
#12  
1,1-Dichloroethene  
Concen: 0.513 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.003 min  
Lab File: VV022606.D  
Acq: 06 Oct 2021 06:39



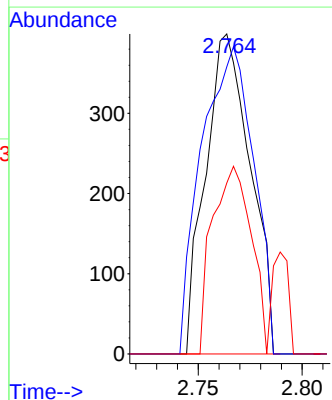
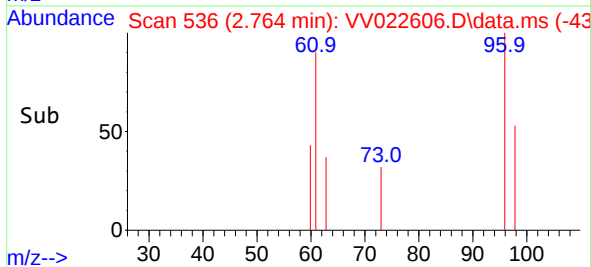
Tgt Ion: 96 Resp: 3115  
Ion Ratio Lower Upper  
96 100  
61 257.9 113.2 210.2#  
63 888.7 66.6 123.8#



#18  
trans-1,2-Dichloroethene  
Concen: 0.091 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.013 min  
Lab File: VV022606.D  
Acq: 06 Oct 2021 06:39



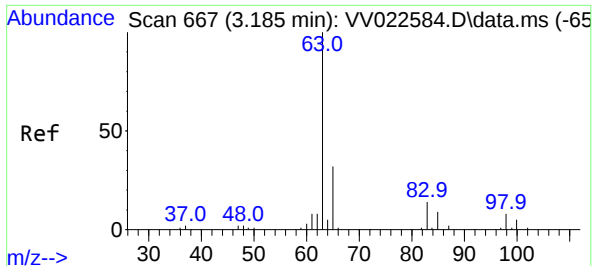
Tgt Ion: 96 Resp: 600  
Ion Ratio Lower Upper  
96 100  
61 89.7 94.0 174.6#  
98 53.4 44.9 83.3



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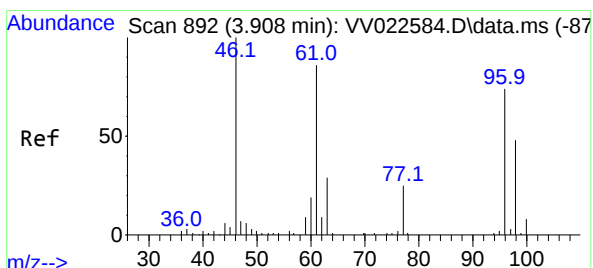
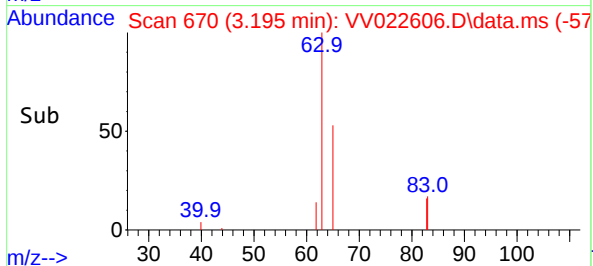
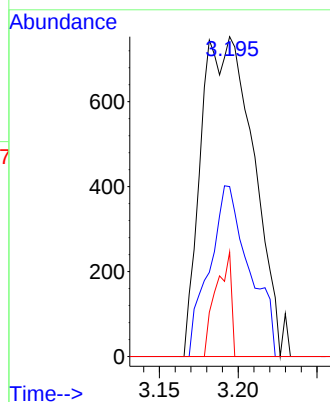
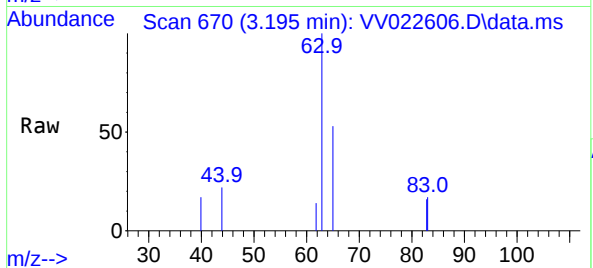
#19  
1,1-Dichloroethane  
Concen: 0.146 ug/L m  
RT: 3.195 min Scan# 670  
Delta R.T. 0.010 min  
Lab File: VV022606.D  
Acq: 06 Oct 2021 06:39

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1732  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 53.1     | 22.8 42.4#  |
| 83 16.6     | 10.2 19.0   |

Instrument :  
MSVOA\_V  
ClientSampled :  
C0AX8

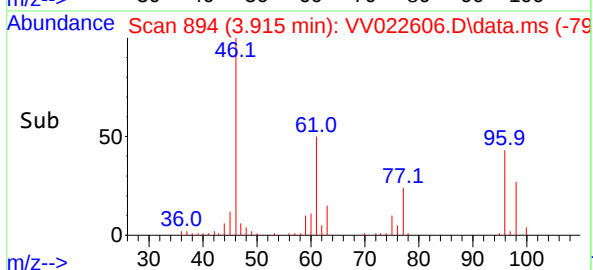
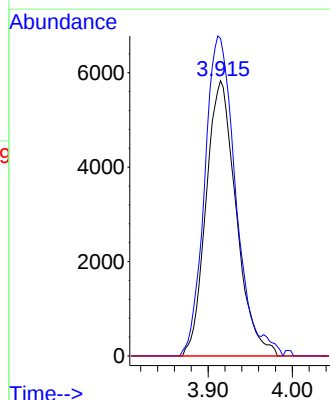
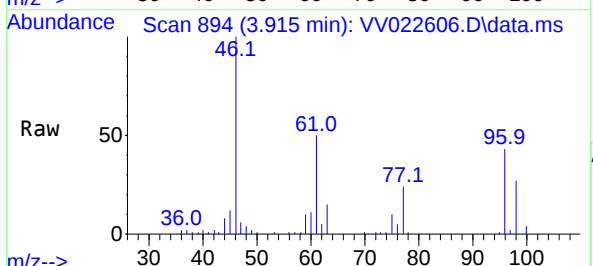
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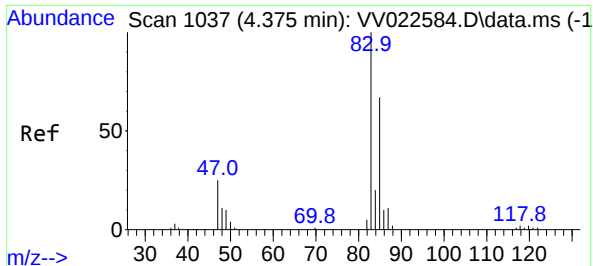
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10/7/2021 9:33:50 AM



#22  
cis-1,2-Dichloroethene  
Concen: 2.020 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.006 min  
Lab File: VV022606.D  
Acq: 06 Oct 2021 06:39

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 14517 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 115.4    | 85.6 159.0  |
| 68 0.0      | 0.0 0.0     |





#25

Chloroform

Concen: 0.588 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion: 83 Resp: 7634

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.8

Instrument :

MSVOA\_V

ClientSampled :

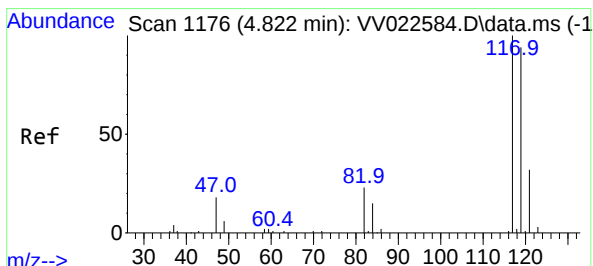
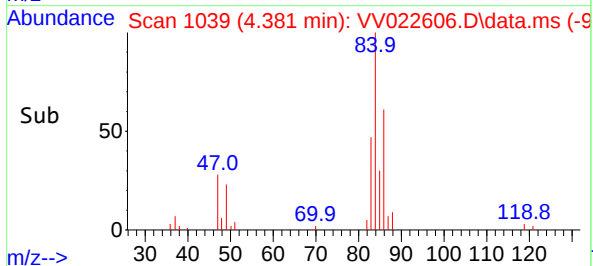
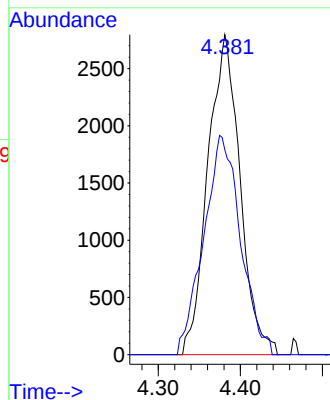
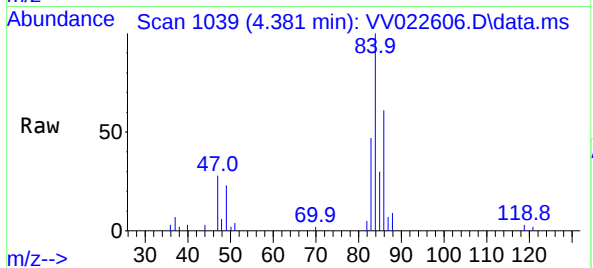
C0AX8

Manual Integrations

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#31

Carbon tetrachloride

Concen: 0.269 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. 0.010 min

Lab File: VV022606.D

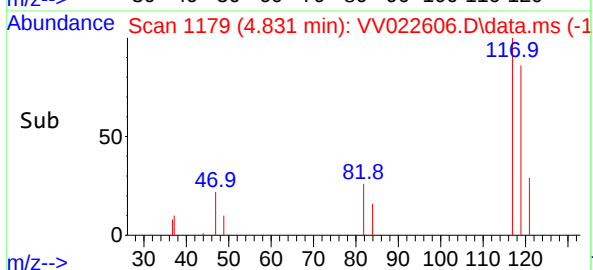
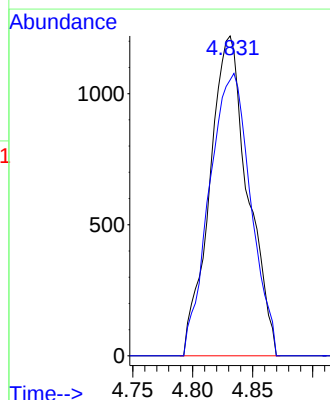
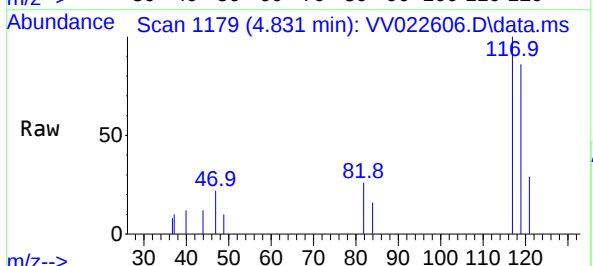
Acq: 06 Oct 2021 06:39

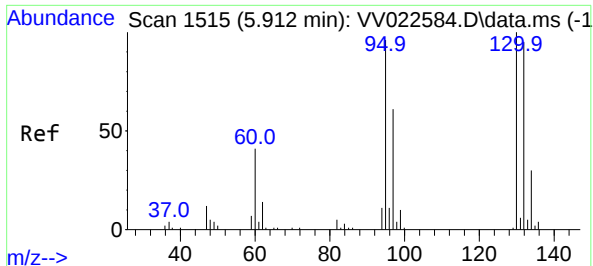
Tgt Ion: 117 Resp: 2706

Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3





#34  
Trichloroethene  
Concen: 14.708 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.003 min  
Lab File: VV022606.D  
Acq: 06 Oct 2021 06:39

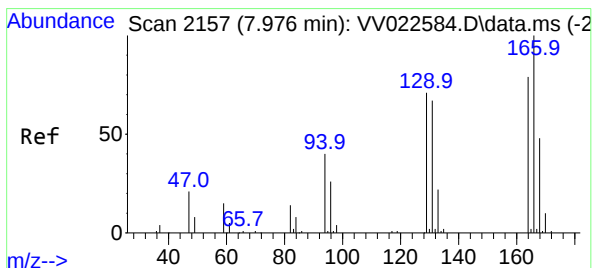
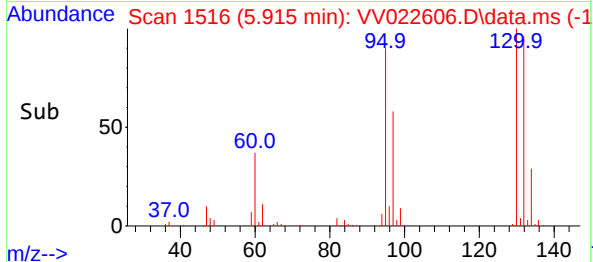
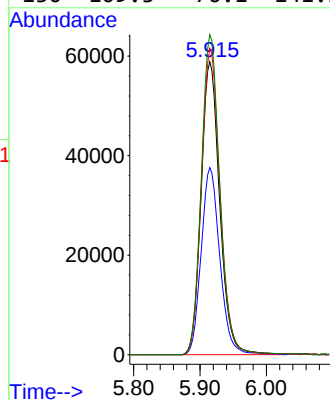
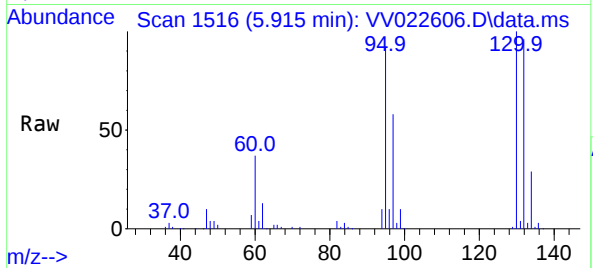
Tgt Ion: 95 Resp: 114449

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.9  | 46.5  | 86.5  |
| 132 | 104.6 | 73.0  | 135.6 |
| 130 | 109.3 | 76.1  | 141.3 |

Instrument :  
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Manual Integrations  
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10/7/2021 9:33:50 AM



#47  
Tetrachloroethene  
Concen: 0.900 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. 0.006 min  
Lab File: VV022606.D  
Acq: 06 Oct 2021 06:39

Tgt Ion: 164 Resp: 5444

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 83.2  | 65.5  | 121.6 |
| 131 | 81.0  | 62.4  | 116.0 |
| 166 | 119.6 | 91.1  | 169.3 |

